

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002423**Date Inspected:** 13-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** OBG 7EW, Lift 5 West, Office**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Sort and organize project files and documentation.

OBG 7EW

External undercoated surfaces were tested for adhesion and the following values were observed. 1) 11.10Mpa 2) 10.00Mpa 3)9.10Mpa 4) 11.00Mpa 5) 9.80Mpa 6) 10.80Mpa all values and observations exceeded minimum value specified of 4Mpa.

Lift 5 West

Internal Undercoated surfaces were requested for a "Final" inspection by ZPMC from the End Weld Seam including Panel Points 29,30, 31, 32, 33, 34, 35, 36 and End Weld Seam. Undercoated surfaces were visually inspected and exhibited incomplete repairs and damages to previously applied undercoat which had not been repaired. Damages included soft and powdery undercoat, over-blasted undercoat, NDT repairs still in process of welds and base metal. Soft and powdery areas were at the end weld seam "U" Rib stiffener areas and after consultation with International Protective Coatings technical service representative complete removal was required via abrasive blasting to base metal and re-application recommended for the repair.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

SOURCE INSPECTION REPORT

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Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
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Reviewed By:	Peterson,Art	QA Reviewer
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